

Commissioner for Patents  
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Response to Office Action

### LISTING OF CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Currently amended) A sensor with a matrix of light-sensitive or X-ray sensitive sensor elements ( $S_{1,1}$ ;  $S_{1,2}$ ,...) arranged in rows and columns, which sensor elements generate charges in dependence on a quantity of radiation incident thereon, including a respective switch (3) with an address line (4,..., 8,...) for each sensor line for connection to activation means (20) via which the electrical sensor switches can be activated, a read-out line (9,..., 13,...) for each sensor column via which the charges of the respective activated sensor elements are drained, transmission means (19) at the end of the relevant read-out line for converting the signals read out in parallel into a serial signal, and a plurality of amplifiers (14,..., 18,...) arranged to precede the transmission means, wherein a first unit of switch elements (27,..., 30,...) is arranged between the activation means (20) and the electrical sensor switches, a second unit of switch elements (31,..., 34,...) is arranged between the electrical sensor switches and amplifiers (14,..., 18,...), and a system (21, 35) for controlling the switching operations of the switch elements is included in order to connect each switch element or a read-out line to at least one neighboring line, and wherein A sensor as claimed in Claim 4, characterized in that the

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